

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- ~~BLACK BORDERS~~
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

FIG. 1

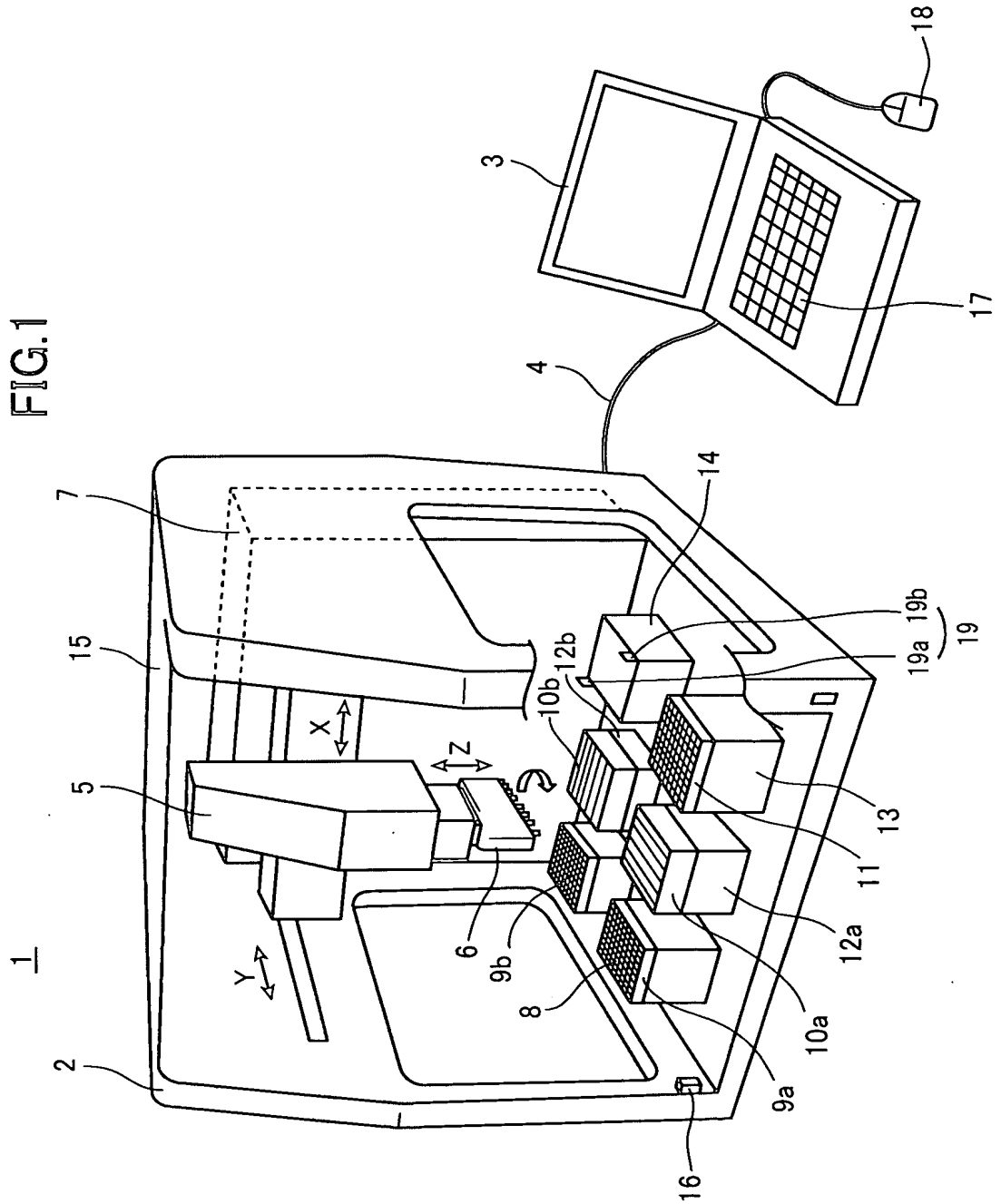


FIG.2

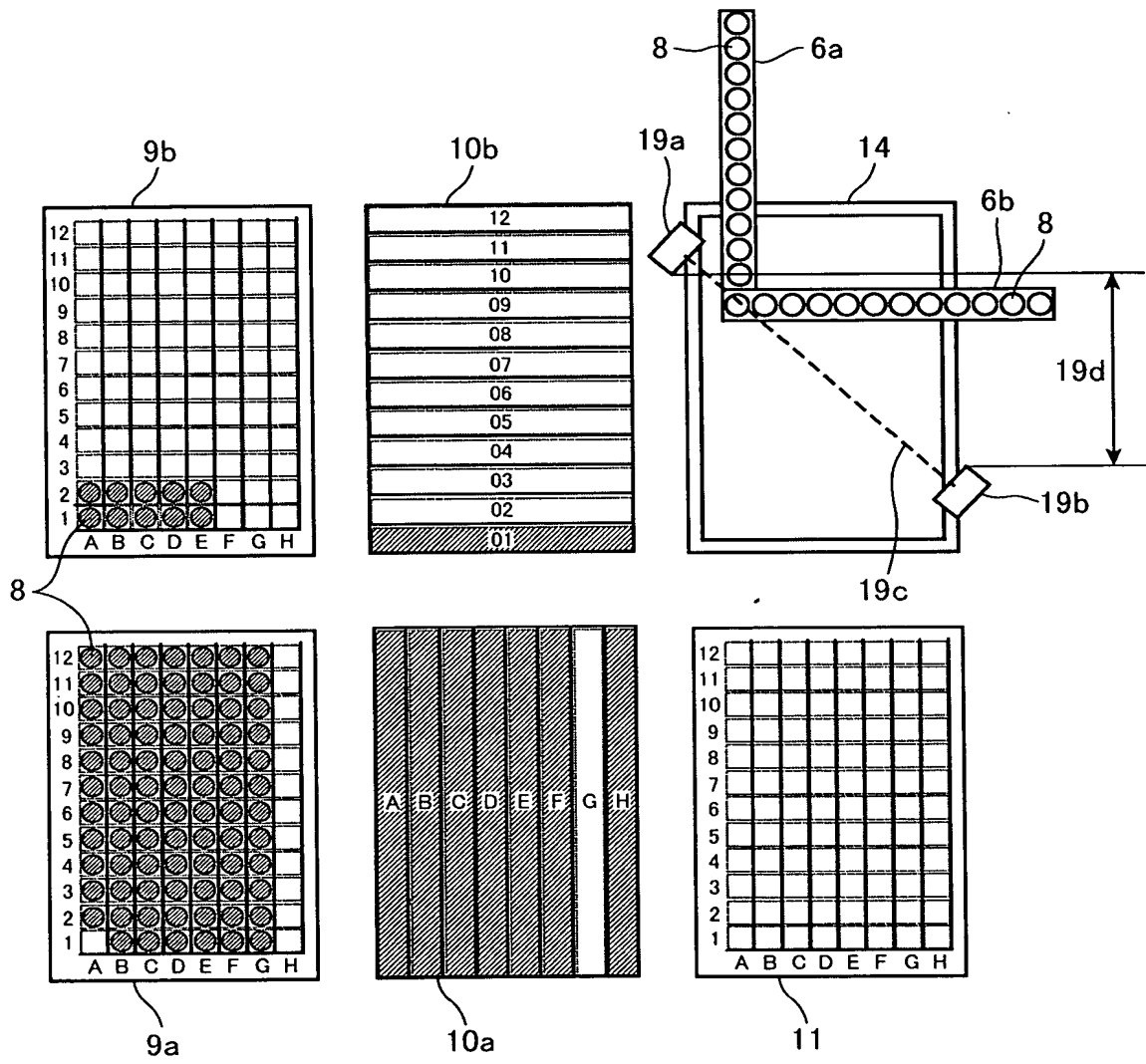


FIG.3

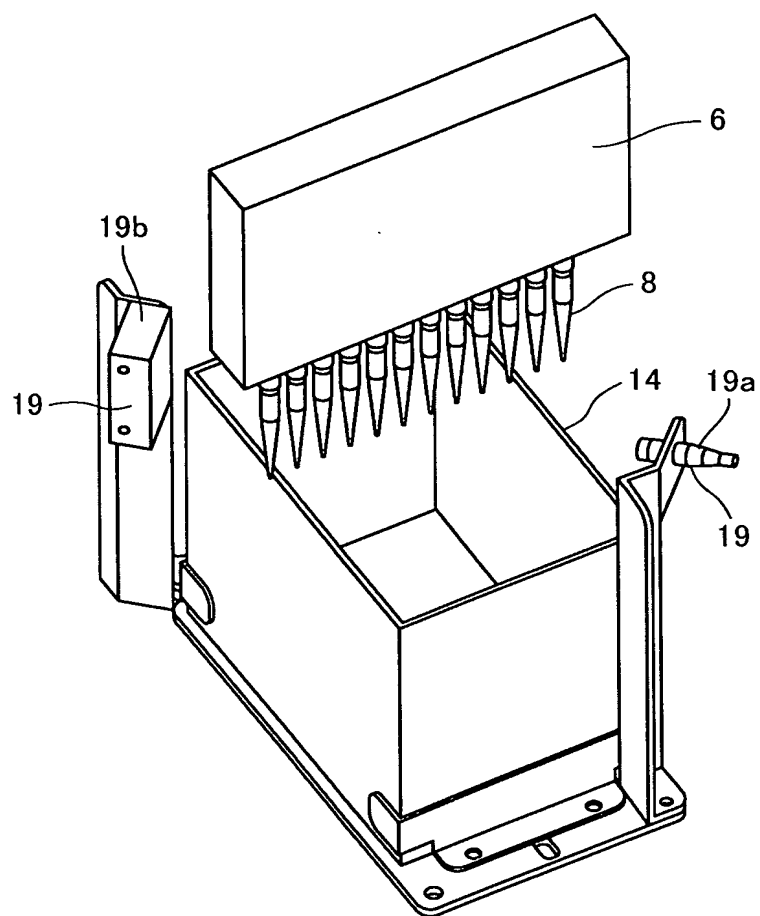


FIG.4

33

PROTOCOLS

32

EDIT MENU

DISPENSE

DILUTE

PRE-INCUBATE

INCUBATE → DISPENSE
STOP SOLUTION

ANOTHER VACANT TIPS

TRASH

1 DISPENSE REAGENT 1, 144 μ l

2 DISPENSE REAGENT 2, 100 μ l

3 DILUTE 50 μ l

4 PRE-INCUBATE 600 sec

5 DISPENSE REAGENT 3, 100 μ l

6 DISPENSE REAGENT 4, 100 μ l

7 DISPENSE REAGENT 5, 100 μ l

8 DISPENSE REAGENT 6, 100 μ l

9 DISPENSE REAGENT 7, 100 μ l

10 INCUBATE → DISPENSE REAGENT 8, 1800 sec → STOP SOLUTION 75 μ l

34

SET FORM: PROCESS 10

CANCEL SET

MEASUREMENT

	NAMES	TEMPERATURE
REAGENT 5	CYP2C19	4
REAGENT 6	CYP2D6	4
REAGENT 7	CYP3A4	4
REAGENT 8	Stop Solution	4

QUANTITY (10~100 μ l) 75 TIP TOUCH X

REACTION TIME (60~9999 sec) 1800

37

38

30

DISPENSING AREA / SELECTION OF DIRECTIONS

35

36

DIRECTIONS

↑

↓

→

←

31

TIMER A	TIMER 1
TIMER B	TIMER 2
TIMER C	TIMER 3
TIMER D	TIMER 4
TIMER E	TIMER 5
TIMER F	TIMER 6
TIMER G	TIMER 7
TIMER H	TIMER 8
	TIMER 9
	TIMER 10
	TIMER 11
	TIMER 12

FIG.5

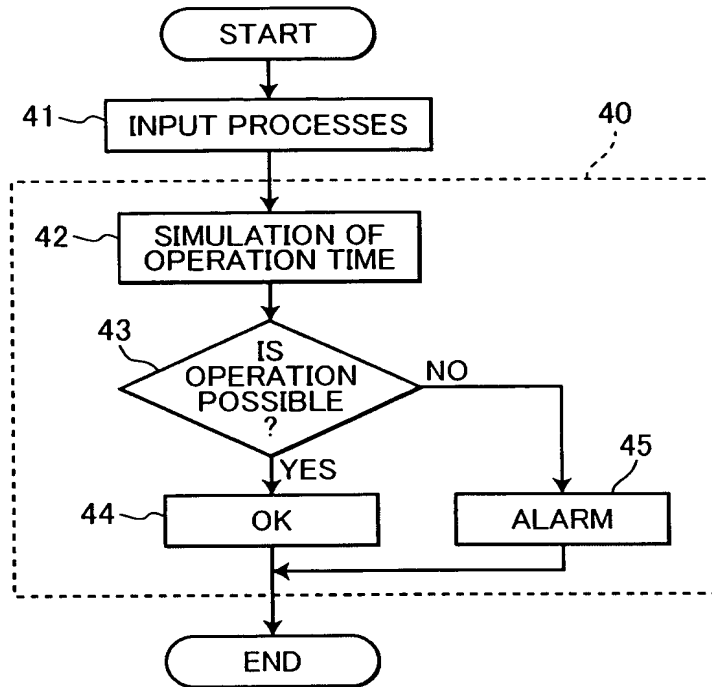


FIG.6

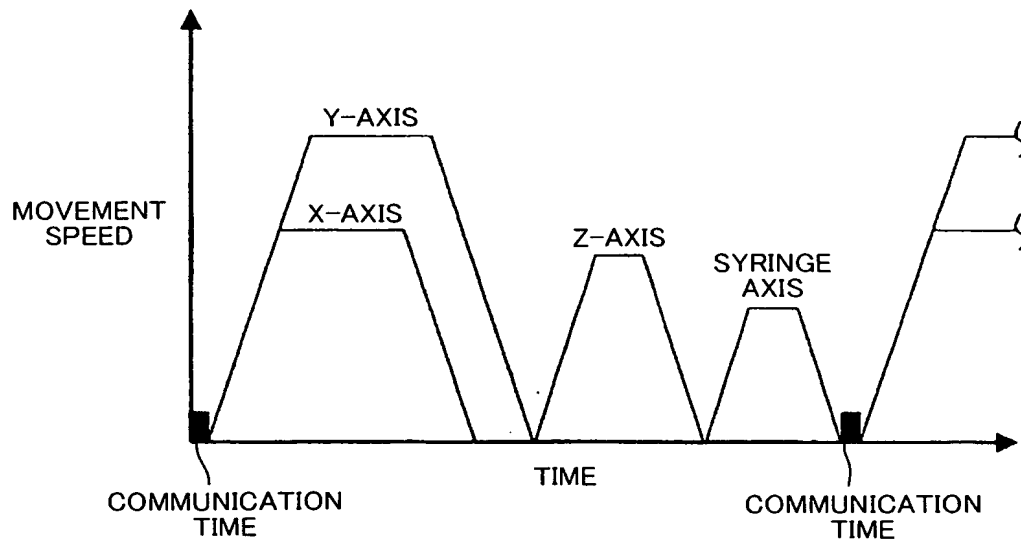


FIG. 7

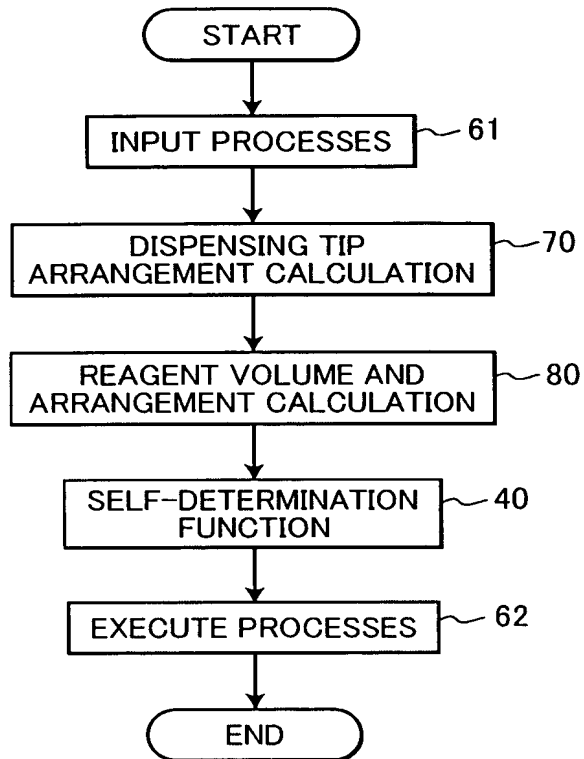


FIG.8

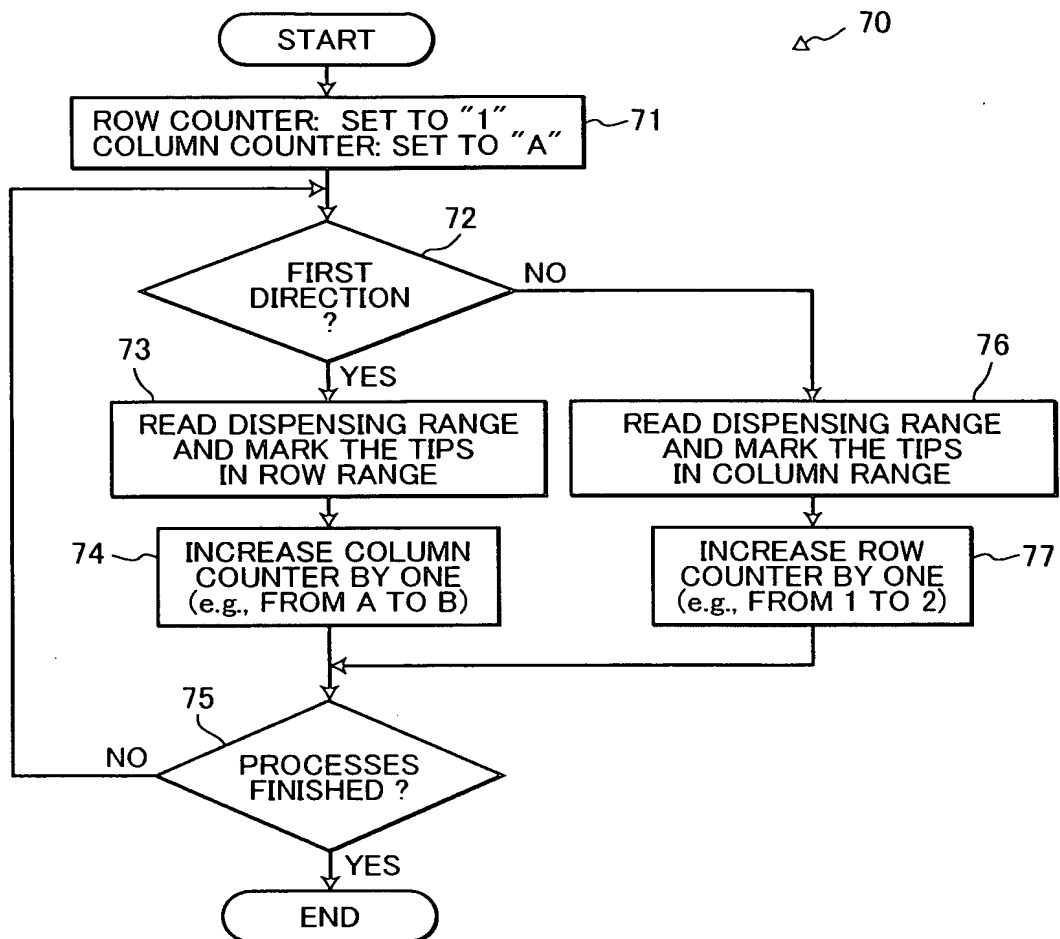


FIG.9

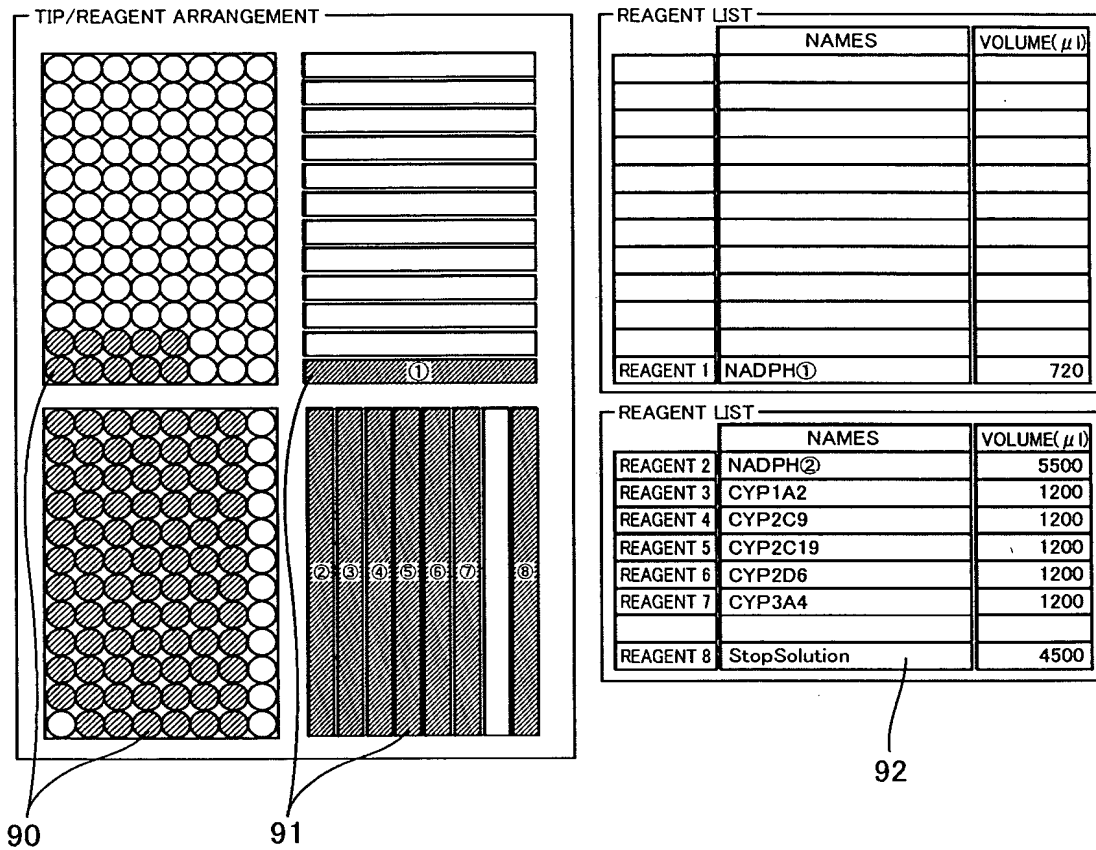


FIG.10

PROCESS NUMBER	PROCESS NAME	PROCESS (CONDITIONS)	TIME REQUIRED (SECONDS)
1	DISPENSE	ROW 1 COLUMNS A TO E DISPENSE 144 μ l REAGENT 1 IN \uparrow DIRECTION	62
2	DISPENSE	FROM COLUMN A ROWS 2 TO 12 TO COLUMN E DISPENSE 100 μ l REAGENT 2 IN \rightarrow DIRECTION	178
3	DILUTE	PIPETTING 5 TIMES FROM ROW 1 COLUMNS A TO E TO ROW 8 DILUTING DISPENSE 50 μ l IN \uparrow DIRECTION	117
4	INCUBATE	AT 37°C FOR 10 MINUTES	600
5	DISPENSE	COLUMN A ROWS 1 TO 12 DISPENSE 100 μ l REAGENT 3 IN \rightarrow DIRECTION	50
6	DISPENSE	COLUMN B ROWS 1 TO 12 DISPENSE 100 μ l REAGENT 4 IN \rightarrow DIRECTION	50
7	DISPENSE	COLUMN C ROWS 1 TO 12 DISPENSE 100 μ l REAGENT 5 IN \rightarrow DIRECTION	50
8	DISPENSE	COLUMN D ROWS 1 TO 12 DISPENSE 100 μ l REAGENT 6 IN \rightarrow DIRECTION	50
9	DISPENSE	COLUMN E ROWS 1 TO 12 DISPENSE 100 μ l REAGENT 7 IN \rightarrow DIRECTION	50
10	INCUBATE \rightarrow DISPENSE STOP SOLUTION	INCUBATE AT 37°C TIME TO DISPENSING STOP SOLUTION 30 MINUTES	1800
		FROM COLUMN A ROWS 1 TO 12 TO COLUMN E DISPENSE 75 μ l REAGENT 8 IN \rightarrow DIRECTION	220